



**TEXAS A&M**  
**UNIVERSITY**  
**CENTRAL TEXAS**

# ENERGY MANAGEMENT REPORT

NOVEMBER 2016

## Executive Order RP-49 Energy Management Report for November 2016

A. The extent to which the agency has met the percentage goal it established for reducing its usage of electricity, gasoline, and natural gas:

Texas A&M University-Central Texas is in the middle of rapid growth and transitioning from an older campus which was 100% leased space to a more permanent home. The two new buildings have a state of the art energy management system to insure building energy is used efficiently.

Utility consumption building profiles are generated weekly and reviewed to insure buildings are operating as designed. And, monthly campus utility consumption and costs are reviewed to insure energy conservation initiatives are obtaining expected results. Energy conservation initiatives have reduced the main campus source Energy Use Index (EUI) from 186.1 mBtu per square foot in April, 2014 to 157.9 mBtu per square foot in June, 2016 for a 15% reduction in energy usage per square foot.

B. The steps the agency may take to increase the percentage goal for reducing its usage of electricity, gasoline, and natural gas:

Texas A&M University – Central Texas is very aggressive in implementing energy conservation programs. TAMUCT has a computerized Energy Management System that allows constant monitoring of the buildings to insure there has not been a malfunction that will increase energy usage. This could be as simple as a malfunctioning thermostat that causes an area to over cool or over heat.

The two buildings at the main campus are metered for chilled water, heating hot water and electricity. Each week, a report is generated that graphically represents the energy consumption patterns of the buildings which is carefully reviewed to ensure that the operating schedules are properly maintained. The newest building is equipped with motion sensors to control lighting.

C. Any additional ideas the agency has for reducing energy expenditures relating to facilities:

TAMUCT will break ground on a new multi-purpose building in January, 2017. Energy efficiency will be a primary goal throughout plan development and construction. Additionally, a new contract with the electrical provider going into effect in September, 2016 is expected to lower base line electrical costs by 22%.

D. Any additional ideas the agency has to minimize the fuel usage in all vehicles and equipment used by the agency.

The campus does not have any equipment that operates on gasoline and choose to operate only vehicles with good fuel efficiency with a focus on carpooling when appropriate.

	Gasoline (Gallons)	Diesel (Gallons)
FY15	3,429	463
FY16	3,382	226
% Increase (Decrease)	0%	(49%)